

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2018 Levee Maintenance Deficiency Summary Report**

Overall LMA & Unit Ratings, including USACE Erosion Survey

**Sacramento River Basin**

**\*\* SBFCA currently has operation and maintenance obligations during project construction and closeout.**

<b>LD0001S</b>	Overall LMA Rating	Total LMA Miles						
<b>Levee District No. 0001 (Sutter County)</b>	<b>A</b>	<b>16.11</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.01			
<i>Supplemental</i>								
DWR UCIP Field Study					0.11			
<i>LMA Totals:</i>	0.00	0.00	0.00	0.00%	0.12	0.00	0.00	0.00

<b>Unit No. 01 Feather River RB</b>	Overall Unit Rating	Total Unit Miles						
<b>LD0001S</b>	<b>A</b>	<b>16.11</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.01			
<i>Supplemental</i>								
DWR UCIP Field Study					0.11			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.12	0.00	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet****Fall 2018 Levee Inspection Results****Levee District No. 0001 (Sutter County)**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			A	

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

**FALL INSPECTIONS:** The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2018 Levee Inspection Results**

**Levee District No. 0001 (Sutter County)**

Waterway			Bank	Unit Miles
Unit No. 01 Feather River			Right	16.11
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	3/13/2018 - 3/13/2018		10/18/2018 - 10/18/2018	
DWR Inspector	Sterling York		Sterling York	
Accompanied By	Andrew Stresser LD0001S		Andrew Stresser LD0001S	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_LD0001S_01_s_2013_4				
Comment Code					
Inspector Comment					
O&M manuals are stored at the district office at 243 2nd st, Yuba City, CA.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_LD0001S_01_s_2013_6				
Comment Code					
Inspector Comment					
Drew and the district employees attended the Flood Fight class put on by DWR and RD784 annually.					

No Photos

LM Start	0.01	Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			38.951032°	°
				-121.585757°	°
DWR ID	DWR_LD0001S_01_s_2013_5				
Comment Code					
Inspector Comment					
Supplies and flood fight equipment are stored at the district office. They also went in with RD784 in their large stockpile of flood fight supplies located in their district.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee District No. 0001 (Sutter County)

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	0.20	Rating **	A	Issue No.	17 (cont)	
LM End	16.09	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.953824 °		39.168587 °
				-121.585551 °		-121.622683 °
DWR ID	DWR_LD0001S_01_f_2018_17					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
The annual vegetation is well maintained, Fall 2018.						

Photo 2 of 2 : FA\_2018\_LD0001S\_433\_17\_20181108\_00054.jpg



View looking upstream waterside LM 10.8 of the well maintained vegetation, Fall 2018.

LM Start	0.36	Rating **	M	Issue No.	37	
LM End	0.36	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.956192 °	38.956192 °	
				-121.585510 °	-121.585510 °	
DWR ID	18653					
Comment Code						
Inspector Comment						
FS_ID:41624 DS_ID:18653 EP_NO: 4667 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/12/2013 Abandoned crossing. Concrete box on both sides found. Pipe remainings are found on WS. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: *ABANDONED* 36-inch steel irrigation pipe through the levee, 10 feet below the crown. Concrete box found on each side. Pipe remains found on the waterside (WS) after the removal of 40 feet of 36-inch steel pipe from a spur levee and 20 feet of 36-inch steel pipe from the landside (LS) slope of the Feather River Levee. (Plans for removal of a portion and filling with concrete a portion of an abandoned 36-inch steel pipe through the levee authorized under Permit No. 4667, 1964 - Levee District No. 1 of Sutter County [LD0001S])). [Additional Reference(s): USACE Sacramento O&M Manual 144, August 1955, (Station 735+57)]. FS Date: 4/12/2013						

Photo 1 of 3 : UCIP\_FA\_2018\_41624\_18769.jpg



Crown view- overview of both sides of the levee

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	0.36	Rating **	M	Issue No.	37 (cont)	
LM End	0.36	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.956192°	38.956192°	
				-121.585510°	-121.585510°	
DWR ID	18653					
Comment Code						
Inspector Comment						
FS_ID:41624 DS_ID:18653 EP_NO: 4667 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/12/2013 Abandoned crossing. Concrete box on both sides found. Pipe remainings are found on WS. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: *ABANDONED* 36-inch steel irrigation pipe through the levee, 10 feet below the crown. Concrete box found on each side. Pipe remains found on the waterside (WS) after the removal of 40 feet of 36-inch steel pipe from a spur levee and 20 feet of 36-inch steel pipe from the landside (LS) slope of the Feather River Levee. (Plans for removal of a portion and filling with concrete a portion of an abandoned 36-inch steel pipe through the levee authorized under Permit No. 4667, 1964 - Levee District No. 1 of Sutter County [LD0001S]). [Additional Reference(s): USACE Sacramento O&M Manual 144, August 1955, (Station 735+57)]. FS Date: 4/12/2013						

LM Start	<b>0.36</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>0.36</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_41624\_18768.jpg



WS- abandoned pipe near power pole (right)

Photo 3 of 3 : UCIP\_FA\_2018\_41624\_18767.jpg



WS- abandoned pipe near power pole (top)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	1.00	Rating **	C	Issue No.	20
LM End	1.00	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.965244 °	38.965244 °
				-121.587151 °	-121.587151 °
DWR ID	DWR_LD0001S_01_f_2018_20				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings have been removed from levee toe, Fall 2018.					

No Photos

LM Start	1.85	Rating **	M	Issue No.	38	
LM End	1.85	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.977002 °	38.977002 °	
				-121.591199 °	-121.591199 °	
DWR ID	17917					
Comment Code						
Inspector Comment						
FS_ID:53068 DS_ID:17917 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/15/2018 Pipe not found. Pipe removed as part of the Project Area A Feather River West Levee Project. Contacted LMA to obtain as-built drawings showing the pipe removal through the levee. Crossing has been downgraded from Urgent to Non-Urgent, waiting to receive as-built drawings pertaining to levee improvement project for this section of the levee. (O. Magana - DWR UCIP)07/20/2016 Same as previous comment, although pipe is open on the waterside (WS) and capped on the LS. Note that this section of levee will likely be reconstructed as part of Project Area A of the Feather River West Levee Project (Star Bend to Sutter Bypass). (K. Fazel - UCIP)05/23/2016 Needs proper abandonment; pipe open on both ends (courtesy of Sterling York, DWR Inspector). (K. Fazel - UCIP) FIELD_STRUCT_DESC: *REMOVED* 8-inch steel pipe of an unknown purpose through the levee, 4.6 feet below the crown. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder, not found in 2016. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 144, August 1955, (Station 657+00), As-Built Drawing No. 4-4-205-1]. FS Date: 10/16/2018						

Photo 1 of 3 : UCIP\_FA\_2018\_53068\_75107.jpg



Pipe visible on WS slope. Photo courtesy of Sterling York, DWR Inspector.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	1.85	Rating **	M	Issue No.	38 (cont)	
LM End	1.85	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.977002°	38.977002°	
				-121.591199°	-121.591199°	
DWR ID	17917					
Comment Code						
Inspector Comment						
FS_ID:53068 DS_ID:17917 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 10/15/2018 Pipe not found. Pipe removed as part of the Project Area A Feather River West Levee Project. Contacted LMA to obtain as-built drawings showing the pipe removal through the levee. Crossing has been downgraded from Urgent to Non-Urgent, waiting to receive as-built drawings pertaining to levee improvement project for this section of the levee. (O. Magana - DWR UCIP)07/20/2016 Same as previous comment, although pipe is open on the waterside (WS) and capped on the LS. Note that this section of levee will likely be reconstructed as part of Project Area A of the Feather River West Levee Project (Star Bend to Sutter Bypass). (K. Fazel - UCIP)05/23/2016 Needs proper abandonment; pipe open on both ends (courtesy of Sterling York, DWR Inspector). (K. Fazel - UCIP) FIELD_STRUCT_DESC: *REMOVED* 8-inch steel pipe of an unknown purpose through the levee, 4.6 feet below the crown. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder, not found in 2016. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 144, August 1955, (Station 657+00), As-Built Drawing No. 4-4-205-1]. FS Date: 10/16/2018						

Photo 2 of 3 : UCIP\_FA\_2018\_53068\_75108.jpg



Pipe open on LS end. Photo courtesy of Sterling York, DWR Inspector.

LM Start	<b>1.85</b>	Rating **	M	Issue No.	<b>38 (cont)</b>
LM End	<b>1.85</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_53068\_76120.jpg



LS view: pipe appears to be capped, though in a rudimentary fashion.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	2.21	Rating **	M	Issue No.	39	
LM End	2.21	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.982135 °	38.982135 °	
				-121.591974 °	-121.591974 °	
DWR ID	17915					
Comment Code						
Inspector Comment						
FS_ID:11383 DS_ID:17915 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/12/2013 Siphon breaker cap missing. Sump pump and gate valve at landward toe not found may be due to dense vegetation. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 8-inch coated steel pipe of an unknown purpose through the levee, 4.6 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 144, August 1955, (Station 638+07)]. FS Date: 4/12/2013						

LM Start	<b>2.21</b>	Rating **	M	Issue No.	<b>39 (cont)</b>
LM End	<b>2.21</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_11383\_18782.jpg



WS- 8-inch steel pipe and disconnected pvc pipe on levee slope

Photo 2 of 3 : UCIP\_FA\_2018\_11383\_18781.jpg



WS-a disconnected pvc pipe on levee slope

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	2.21	Rating **	M	Issue No.	39 (cont)	
LM End	2.21	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.982135 °	38.982135 °	
				-121.591974 °	-121.591974 °	
DWR ID	17915					
Comment Code						
Inspector Comment						
FS_ID:11383						
DS_ID:17915						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/12/2013 Siphon breaker cap missing. Sump pump and gate valve at landward toe not found may be due to dense vegetation. (DWR UCIP - P. Amatya)						
FIELD_STRUCT_DESC: 8-inch coated steel pipe of an unknown purpose through the levee, 4.6 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope.						
[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 144, August 1955, (Station 638+07)].						
FS Date: 4/12/2013						

Photo 3 of 3 : UCIP\_FA\_2018\_11383\_18780.jpg



LS- CMP riser on levee slope with dense vegetation.

LM Start	2.42	Rating **	M	Issue No.	40
LM End	2.42	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.985223 °	38.985223 °
				-121.591922 °	-121.591922 °
DWR ID	18667				
Comment Code					
Inspector Comment					
FS_ID:41787 DS_ID:18667 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/12/2013 Pipe appears to be abandoned and should be verified as having been done so properly. - concrete standpipe with 10-inch steel pipe.- concrete wing wall- no pipe-abandoned structure- a pump found on other side of the levee (WS) but not sure whether it is associated with this crossing. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: *ABANDONED* 24-inch gravity drainage pipe of an unknown material under the landside (LS) approach, at an unknown depth. Plans to install a 10-inch corrugated iron gravity drainage culvert under the LS approach, at an unknown depth. Crossing not found in the O&M Manual. FS Date: 4/12/2013					

Photo 1 of 3 : UCIP\_FA\_2018\_41787\_18793.jpg



LS- overview of landside with concrete standpipe

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	2.42	Rating **	M	Issue No.	40 (cont)	
LM End	2.42	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.985223 °	38.985223 °	
				-121.591922 °	-121.591922 °	
DWR ID	18667					
Comment Code						
Inspector Comment						
FS_ID:41787 DS_ID:18667 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/12/2013 Pipe appears to be abandoned and should be verified as having been done so properly. - concrete standpipe with 10-inch steel pipe.- concrete wing wall- no pipe- abandoned structure- a pump found on other side of the levee (WS) but not sure whether it is associated with this crossing. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: *ABANDONED* 24-inch gravity drainage pipe of an unknown material under the landside (LS) approach, at an unknown depth. Plans to install a 10-inch corrugated iron gravity drainage culvert under the LS approach, at an unknown depth. Crossing not found in the O&M Manual. FS Date: 4/12/2013						

LM Start	<b>2.42</b>	Rating **	M	Issue No.	<b>40 (cont)</b>
LM End	<b>2.42</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_41787\_18792.jpg



LS- abandoned wing wall- no pipe

Photo 3 of 3 : UCIP\_FA\_2018\_41787\_18791.jpg



LS- concrete standpipe with disconnected steel pipe

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	<b>2.60</b>	Rating **	A/W	Issue No.	<b>22</b>
LM End	<b>3.76</b>	Issue Type +	Ob	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.987740 °	39.003660 °	
			-121.592090 °	-121.596680 °	
DWR ID	DWR_LD0001S_01_f_2017_22				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:159					
Site Designation:FSRP-13-64					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

LM Start	<b>3.42</b>	Rating **	M	Issue No.	<b>41</b>
LM End	<b>3.42</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.998858 °	38.998858 °	
			-121.596746 °	-121.596746 °	
DWR ID	17918				
Comment Code					
Inspector Comment					
FS_ID:41348					
DS_ID:17918					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 04/08/2013 Only an abandoned steel structure on water and a concrete structure on WS Levee slope found. Need to verify pipe was properly abandoned. (DWR UCIP - P. Amatya)					
FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel pipe of an unknown purpose through the levee, 4.1 feet below the crown. Siphon breaker on the landside (LS) slope. Butterfly shutoff valve on the LS slope. Concrete standpipe and pump at the LS toe. Pipe discharges into borrow pit on the waterside (WS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 144, August 1955, (Station 574+20)].					
FS Date: 4/8/2013					

Photo 1 of 3 : UCIP\_FA\_2018\_41348\_18882.jpg



WS- abandoned concrete structure on levee slope

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	3.42	Rating **	M	Issue No.	41 (cont)	
LM End	3.42	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.998858 °	38.998858 °	
				-121.596746 °	-121.596746 °	
DWR ID	17918					
Comment Code						
Inspector Comment						
FS_ID:41348						
DS_ID:17918						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 04/08/2013 Only an abandoned steel structure on water and a concrete structure on WS Levee slope found. Need to verify pipe was properly abandoned. (DWR UCIP - P. Amatya)						
FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel pipe of an unknown purpose through the levee, 4.1 feet below the crown. Siphon breaker on the landside (LS) slope. Butterfly shutoff valve on the LS slope. Concrete standpipe and pump at the LS toe. Pipe discharges into borrow pit on the waterside (WS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 144, August 1955, (Station 574+20)].						
FS Date: 4/8/2013						

LM Start	<b>3.42</b>	Rating **	M	Issue No.	<b>41 (cont)</b>
LM End	<b>3.42</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_41348\_18881.jpg



WS- abandoned steel structure on waterway

Photo 3 of 3 : UCIP\_FA\_2018\_41348\_18880.jpg



Overview of landside of the levee- no pipes visible. Dense vegetation.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	4.41	Rating **	C	Issue No.	36
LM End	4.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.011493 °	39.011493 °
				-121.603624 °	-121.603624 °
DWR ID	DWR_LD0001S_01_f _ 2016_36				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
No erosion or separation on slope, continue to monitor, Fall 2017.					

No Photos

LM Start	5.02	Rating **	A/W	Issue No.	25	
LM End	5.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			39.018322 °	39.018322 °	
				-121.610275 °	-121.610275 °	
DWR ID	DWR_LD0001S_01_f_2017_25					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:145						
Site Designation:LD1-S-02						
Repair Type: Erosion						
Rating:Critical						
Field Date:7/17/2017						
Notes:						

Photo 1 of 3 : LEVAL\_FA\_2018\_145\_1767.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

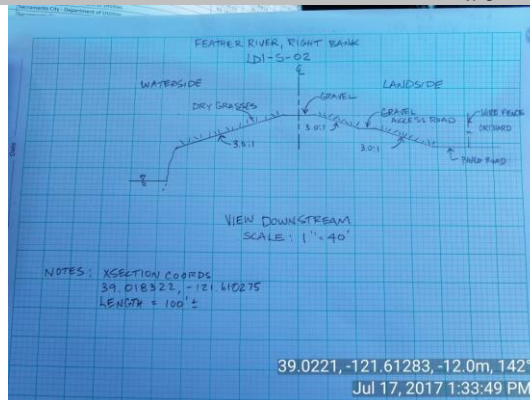
LM Start	5.02	Rating **	A/W	Issue No.	25 (cont)	
LM End	5.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			39.018322 °	39.018322 °	
				-121.610275 °	-121.610275 °	
DWR ID	DWR_LD0001S_01_f_2017_25					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:145						
Site Designation:LD1-S-02						
Repair Type: Erosion						
Rating:Critical						
Field Date:7/17/2017						
Notes:						

LM Start	<b>5.02</b>	Rating **	A/W	Issue No.	<b>25 (cont)</b>
LM End	<b>5.02</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : LEVAL\_FA\_2018\_145\_1768.jpg



Photo 3 of 3 : LEVAL\_FA\_2018\_145\_1769.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	7.69	Rating **	A/W	Issue No.	19
LM End	7.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.055986°	39.056710°
				-121.611301°	-121.611331°
DWR ID	DWR_LD0001S_01_f_2017_19				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:146					
Site Designation:LD1-S-03					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/3/2017					
Notes:					

LM Start	<b>7.69</b>	Rating **	A/W	Issue No.	<b>19 (cont)</b>
LM End	<b>7.74</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : LEVAL\_FA\_2018\_146\_4051.jpg



Photo 2 of 3 : LEVAL\_FA\_2018\_146\_4053.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	7.69	Rating **	A/W	Issue No.	19 (cont)	
LM End	7.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			39.055986 °	39.056710 °	
				-121.611301 °	-121.611331 °	
DWR ID	DWR_LD0001S_01_f_2017_19					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:146						
Site Designation:LD1-S-03						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:8/3/2017						
Notes:						

Photo 3 of 3 : LEVAL\_FA\_2018\_146\_4054.jpg



LM Start	9.35	Rating **	M	Issue No.	23
LM End	9.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.079026 °	39.079026 °
				-121.604386 °	-121.604386 °
DWR ID	DWR_LD0001S_01_f_2015_23				
Comment Code					
PR : Prunings					
Inspector Comment					
Tree trimmings and debris still exist at landside toe that are within 10' of the toe need to be removed, Fall 2018.					

Photo 1 of 2 : FA\_2018\_LD0001S\_433\_23\_20180918\_00005.jpg



View of prunings that still exist on the landside levee toe. Spring 2018.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	9.35	Rating **	M	Issue No.	23 (cont)	
LM End	9.35	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			39.079026 °	39.079026 °	
				-121.604386 °	-121.604386 °	
DWR ID	DWR_LD0001S_01_f_2015_23					
Comment Code						
PR : Prunings						
Inspector Comment						
Tree trimmings and debris still exist at landside toe that are within 10' of the toe need to be removed, Fall 2018.						

Photo 2 of 2 : FA\_2018\_LD0001S\_433\_23\_20180918\_00006.jpg



View of prunings on the landside levee toe. Fall 2017.

LM Start	9.44	Rating **	C	Issue No.	18
LM End	9.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.080270 °	39.080270 °
				-121.604502 °	-121.604502 °
DWR ID	DWR_LD0001S_01_s_2018_18				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings that are within 10' of the landside levee toe have been removed, Fall 2018.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	11.99	Rating **	M	Issue No.	42	
LM End	11.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.114856 °	39.114856 °	
				-121.605821 °	-121.605821 °	
DWR ID	17932					
Comment Code						
Inspector Comment						
FS_ID:41841 DS_ID:17932 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/05/2013 Need to install Gasline Markers.Fenced control station.Indicator on LS across concrete ditch.Found road markings.(DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 1 of 2: 16-inch natural gas pipeline of an unknown material through the levee, 3 feet below the crown. PG&E gas line crossing sign on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/5/2013						

LM Start	<b>11.99</b>	Rating **	M	Issue No.	<b>42 (cont)</b>
LM End	<b>11.99</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_41841\_19538.jpg



Levee Crown: gasline indicator/markings on crown road.

Photo 2 of 3 : UCIP\_FA\_2018\_41841\_19537.jpg



LS- fenced control station across concrete ditch

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	11.99	Rating **	M	Issue No.	42 (cont)
LM End	11.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.114856 °	39.114856 °
				-121.605821 °	-121.605821 °
DWR ID	17932				
Comment Code					
Inspector Comment					
FS_ID:41841 DS_ID:17932 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/05/2013 Need to install Gasline Markers.Fenced control station.Indicator on LS across concrete ditch.Found road markings.(DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 1 of 2: 16-inch natural gas pipeline of an unknown material through the levee, 3 feet below the crown. PG&E gas line crossing sign on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/5/2013					

Photo 3 of 3 : UCIP\_FA\_2018\_41841\_19534.jpg



LS- fenced control station with indicators

LM Start	12.00	Rating **	M	Issue No.	43
LM End	12.00	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.114856 °	39.114856 °
				-121.605821 °	-121.605821 °
DWR ID	18880				
Comment Code					
Inspector Comment					
FS_ID:41889 DS_ID:18880 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/05/2013 Need to contact owner to install gasline markers.Fenced control station on LS.Indicator on LS across concrete channel.Road markings. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 2 of 2: 16-inch natural gas pipeline of an unknown material through the levee, 3 feet below the crown. PG&E gas line crossing sign on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/5/2013					

Photo 1 of 3 : UCIP\_FA\_2018\_41889\_19566.jpg



Levee Crown: road markings on road pavement

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	12.00	Rating **	M	Issue No.	43 (cont)	
LM End	12.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.114856 °	39.114856 °	
				-121.605821 °	-121.605821 °	
DWR ID	18880					
Comment Code						
Inspector Comment						
FS_ID:41889 DS_ID:18880 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/05/2013 Need to contact owner to install gasoline markers. Fenced control station on LS. Indicator on LS across concrete channel. Road markings. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 2 of 2: 16-inch natural gas pipeline of an unknown material through the levee, 3 feet below the crown. PG&E gas line crossing sign on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/5/2013						

LM Start	<b>12.00</b>	Rating **	M	Issue No.	<b>43 (cont)</b>
LM End	<b>12.00</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_41889\_19565.jpg



LS- fenced control station across concrete ditch.

Photo 3 of 3 : UCIP\_FA\_2018\_41889\_19564.jpg



LS- fenced control station with gasoline indicator across concrete ditch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee District No. 0001 (Sutter County)



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	13.87	Rating **	A/W	Issue No.	26 (cont)	
LM End	13.87	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Crown Surface / Depressions / Rutting			39.139734 °		39.139734 °
				-121.608477 °		-121.608477 °
DWR ID	DWR_LD0001S_01_f _ 2018_26					
Comment Code						
C2 : Repair depressions or ruts in the crown or slope.						
Inspector Comment						
Fifth Street Bridge Construction, Fall 2018.						

Photo 2 of 2 : FA\_2018\_LD0001S\_433\_26\_20181108\_00059.jpg



View looking downstream waterside of the 5th Street bridge construction, Fall 2018.

LM Start	14.35	Rating **	M	Issue No.	44
LM End	14.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.146494 °	39.146494 °
				-121.609715 °	-121.609715 °
DWR ID	18640				
Comment Code					
Inspector Comment					
FS_ID:41887					
DS_ID:18640					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 04/05/2013 Need to contact ownder to determin					
status of crossing and install signs if appropriate. (DWR UCIP - P.					
Amatya)					
FIELD_STRUCT_DESC: 18-inch steel natural gas pipeline through the					
levee, at an unknown depth. [Additional Reference(s): Sutter-Butte					
Flood Control Agency, Volume 3, As-Built Drawing No. GC-120, Sheet					
58, no reference to any crossings at this location. USACE Sacramento					
O&M Manual 144, August 1955, (Station 1473+60)].					
FS Date: 4/5/2013					

Photo 1 of 3 : UCIP\_FA\_2018\_41887\_19571.jpg



WS- USA road marking and floodway area

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	14.35	Rating **	M	Issue No.	44 (cont)	
LM End	14.35	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.146494 °	39.146494 °	
				-121.609715 °	-121.609715 °	
DWR ID	18640					
Comment Code						
Inspector Comment						
FS_ID:41887						
DS_ID:18640						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 04/05/2013 Need to contact ownder to determin						
status of crossing and install signs if appropriate. (DWR UCIP - P.						
Amatya)						
FIELD_STRUCT_DESC: 18-inch steel natural gas pipeline through the						
levee, at an unknown depth. [Additional Reference(s): Sutter-Butte						
Flood Control Agency, Volume 3, As-Built Drawing No. GC-120, Sheet						
58, no reference to any crossings at this location. USACE Sacramento						
O&M Manual 144, August 1955, (Station 1473+60)].						
FS Date: 4/5/2013						

Photo 2 of 3 : UCIP\_FA\_2018\_41887\_19570.jpg



WS- USA road marking on pavement

LM Start	<b>14.35</b>	Rating **	M	Issue No.	<b>44 (cont)</b>
LM End	<b>14.35</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_41887\_19569.jpg



LS- overview. No sign post or indicator found.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	15.03	Rating **	M	Issue No.	45	
LM End	15.03	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.154970 °	39.154970 °	
				-121.615617 °	-121.615617 °	
DWR ID	17923					
Comment Code						
Inspector Comment						
FS_ID:12092						
DS_ID:17923						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 04/05/2013 Only a gasoline indicator found on						
LS.Needs gasoline marker also on WS.(DWR UCIP - P. Amatya)						
FIELD_STRUCT_DESC: 16-inch natural gas pipeline of an unknown						
material through the levee, 3.5 feet below the crown. Pipeline protected						
in place as part of the Feather River West Levee Reconstruction						
Project. Marker installed on the landside (LS). [Additional Reference(s):						
DWR Levee Log, 2005. Sutter-Butte Flood Control Agency, Volume 3,						
As-Built Drawing No. C-124, Sheet 62, (Station 1073+41)].						
FS Date: 4/5/2013						

LM Start	<b>15.03</b>	Rating **	M	Issue No.	<b>45 (cont)</b>
LM End	<b>15.03</b>	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_12092\_19624.jpg



LS- overview of gasoline marker on levee slope

Photo 2 of 2 : UCIP\_FA\_2018\_12092\_19623.jpg



LS- gasoline marker on levee slope

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	15.15	Rating **	M	Issue No.	46	
LM End	15.15	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.156241 °	39.156241 °	
				-121.617210 °	-121.617210 °	
DWR ID	18644					
Comment Code						
Inspector Comment						
FS_ID:12104 DS_ID:18644 EP_NO: 17259 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/05/2013 Found an indicator only on LS. Needs an indicator also on WS.(DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: *REMOVED* 8.375-inch-wide electrolysis test station (ETS) at a depth of 4 feet was connected to the existing 8-inch steel natural gas pipeline within the waterside (WS) levee toe. Pipeline has been removed as part of the Feather River West Levee Reconstruction Project. [Additional Reference(s): Sutter-Butte Flood Control Agency, Volume 3, As-Built Drawing No. C-124, Sheet 62, (Station 1079+91), no replacement pipe mentioned]. FS Date: 4/5/2013						

LM Start	<b>15.15</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>15.15</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_12104\_19642.jpg



WS- needs a gasoline indicator.

Photo 2 of 3 : UCIP\_FA\_2018\_12104\_19641.jpg



LS- gasoline indicators on levee slope and across.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	15.15	Rating **	M	Issue No.	46 (cont)	
LM End	15.15	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.156241 °	39.156241 °	
				-121.617210 °	-121.617210 °	
DWR ID	18644					
Comment Code						
Inspector Comment						
FS_ID:12104 DS_ID:18644 EP_NO: 17259 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/05/2013 Found an indicator only on LS. Needs an indicator also on WS.(DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: *REMOVED* 8.375-inch-wide electrolysis test station (ETS) at a depth of 4 feet was connected to the existing 8-inch steel natural gas pipeline within the waterside (WS) levee toe. Pipeline has been removed as part of the Feather River West Levee Reconstruction Project. [Additional Reference(s): Sutter-Butte Flood Control Agency, Volume 3, As-Built Drawing No. C-124, Sheet 62, (Station 1079+91), no replacement pipe mentioned]. FS Date: 4/5/2013						

Photo 3 of 3 : UCIP\_FA\_2018\_12104\_19640.jpg



LS- overview of gasoline indicators on levee slope and across.

LM Start	16.11	Rating **	M	Issue No.	47
LM End	16.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.168830 °	39.168830 °
				-121.622628 °	-121.622628 °
DWR ID	18645				
Comment Code					
Inspector Comment					
FS_ID:41888					
DS_ID:18645					
EP_NO: 3823					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 04/05/2013 Need to contact owner to determine status of crossing and install markers if appropriate. Several lines in area. (DWR UCIP - P. Amatya)					
FIELD_STRUCT_DESC: 8-inch steel natural gas pipeline through the levee and overflow area, 3.3 feet below the crown. (Plans for installation of a steel pipeline through the levee authorized under Permit No. 3823, 1961 - Southern Pacific Pipe Lines, Inc.).					
FS Date: 4/5/2013					

Photo 1 of 2 : UCIP\_FA\_2018\_41888\_19709.jpg



Railway and levee crossing and gasoline sign across the railway

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2018**

**Levee District No. 0001 (Sutter County)**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	10/18/2018 10/18/2018	Sterling York

LM Start	16.11	Rating **	M	Issue No.	47 (cont)
LM End	16.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.168830 °	39.168830 °
				-121.622628 °	-121.622628 °
DWR ID	18645				
Comment Code					
Inspector Comment					
FS_ID:41888 DS_ID:18645 EP_NO: 3823 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/05/2013 Need to contact owner to determine status of crossing and install markers if appropriate. Several lines in area. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 8-inch steel natural gas pipeline through the levee and overflow area, 3.3 feet below the crown. (Plans for installation of a steel pipeline through the levee authorized under Permit No. 3823, 1961 - Southern Pacific Pipe Lines, Inc.). FS Date: 4/5/2013					

Photo 2 of 2 : UCIP\_FA\_2018\_41888\_19708.jpg



Gasline sign across the railway

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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